

**Table A6. Approximate Heat Rates for Electricity**  
(Btu per Kilowatthour)

	Electricity Net Generation			Electricity Consumption <sup>e</sup>
	Fossil-Fueled Steam-Electric Plants <sup>a,b</sup>	Nuclear Steam-Electric Plants <sup>c</sup>	Geothermal Energy Plants <sup>d</sup>	
1973 .....	10,389	10,903	21,674	3,412
1974 .....	10,442	11,161	21,674	3,412
1975 .....	10,406	11,013	21,611	3,412
1976 .....	10,373	11,047	21,611	3,412
1977 .....	10,435	10,769	21,611	3,412
1978 .....	10,361	10,941	21,611	3,412
1979 .....	10,353	10,879	21,545	3,412
1980 .....	10,388	10,908	21,639	3,412
1981 .....	10,453	11,030	21,639	3,412
1982 .....	10,454	11,073	21,629	3,412
1983 .....	10,520	10,905	21,290	3,412
1984 .....	10,440	10,843	21,303	3,412
1985 .....	10,447	10,622	21,263	3,412
1986 .....	10,446	10,579	21,263	3,412
1987 .....	10,419	10,442	21,263	3,412
1988 .....	10,324	10,602	21,096	3,412
1989 .....	10,432	10,583	21,096	3,412
1990 .....	10,402	10,582	21,096	3,412
1991 .....	10,436	10,484	20,997	3,412
1992 .....	10,342	10,471	20,914	3,412
1993 .....	10,309	10,504	20,914	3,412
1994 .....	10,316	10,452	20,914	3,412
1995 .....	10,312	10,507	20,914	3,412
1996 .....	10,340	10,503	20,960	3,412
1997 .....	10,213	10,494	20,960	3,412
1998 .....	10,197	10,491	21,017	3,412
1999 .....	10,226	10,450	21,017	3,412
2000 .....	10,201	10,429	21,017	3,412
2001 .....	<sup>b,R</sup> 10,146	10,442	21,017	3,412
2002 <sup>P</sup> .....	<sup>R</sup> 10,119	10,442	21,017	3,412
2003 <sup>E</sup> .....	<sup>R</sup> 10,119	10,442	21,017	3,412

<sup>a</sup> Used as the thermal conversion factor for hydroelectric, solar, and wind electricity net generation.

<sup>b</sup> Through 2000, heat rates are for electric utilities only. Beginning in 2001, heat rates are for the electric power sector, which comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public.

<sup>c</sup> Used as the thermal conversion factor for nuclear electricity net generation.

<sup>d</sup> Used as the thermal conversion factor for geothermal electricity net generation.

<sup>e</sup> Used as the thermal conversion factor for electricity retail sales, and electricity imports and exports.

R=Revised. P=Preliminary. E=Estimate.

Web Page: <http://www.eia.doe.gov/emeu/mer/append.html>.

Source: See "Thermal Conversion Factor Source Documentation," which follows this table.